



# HOT WATER COIL PIPING DETAIL (VARIABLE FLOW THROUGH COIL, FAIL TO NO HEAT)

SCALE: NONE

## NOTES:

1. SEE SHEET 10 FOR STACKED COIL PIPING.
2. SEE SHEET 11 FOR DESIGN NOTES.

## KEYED NOTES

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DON NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY & RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY & RETURN COIL BRANCH PIPING AS FOLLOWS:
  - A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
  - B) CLOSE TO COIL WHEN PIPING NOT ABOVE MAIN (SIDE CONNECTION).

NO.	DATE	CLASS REV	REVISIONS	APP
FACILITY ENGINEERING MANUAL				
COIL PIPING HOT WATER				
VARIABLE FLOW THROUGH COIL FAIL TO NO HEAT				
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CHAPTER 6			ST6121	